

BID SOLICITATION



City of Chattanooga
 101 East 11th Street, Suite G13
 Chattanooga, TN 37402

BID OPENING DATE AND TIME:

11-MAR-15 at 2:00 PM

BID NUMBER: 303647

BUYER:

PHONE #: (423) 643-7230

DELIVERY REQUIRED:

SEALED BIDS

Mail or submit two (2) signed copies of bid form to this office in the enclosed envelope. Retain one copy for your file.

**V
E
N
D
O
R** RFQ

**M
A
I
L
T
O** City of Chattanooga
 101 East 11th Street, Suite G13
 Chattanooga, TN 37402

Item	Class-Item	Quantity	Unit	Unit Price	Total
------	------------	----------	------	------------	-------

Requisition No.: 109597
 Ordering Dept.: Waste Resources
 Buyer: Geoffrey Hipp 423-643-7233

DESCRIPTION:

This shall be a twelve (12) month blanket contract for the Supply of Programmable Logic Controller Services for the Waste Resources Division. The contract may be renewed for two (2) additional twelve (12) month terms under the same Terms and Conditions by Mutual Agreement. The City of Chattanooga and the Contractor may bilaterally extend the contract by Written Confirmation by both parties at least 30 days prior to the contract's current expiration date into any successive term as provided herein.

ATTACHMENTS:

- Specifications
- Affirmative Action Plan
- Standard Terms and Conditions:
 (<http://www.chattanooga.gov/purchasing/standard-terms-and-conditions>)

*** BIDS MUST BE RECEIVED NO LATER THAN ***
 ***** 2:00 PM ON MARCH 11, 2015 *****

PLEASE SUBMIT BIDS IN DUPLICATE INDICATING
 BID NUMBER (303647) ON OUTSIDE PACKAGING

ALL ITEMS MUST BE QUOTED F.O.B. DESTINATION, FREIGHT ALLOWED.

NOTE: All bids received are subject to the terms and conditions contained herein and as listed in the above referenced website. The undersigned Bidder acknowledges having received, reviewed, and agrees to be bound to these terms and conditions, unless specific written exceptions are otherwise stated.

The City of Chattanooga reserves the right to reject any and/or all bids, waive any informalities in the bids received, and to accept any bid which in its opinion may be for the best interest of the city.

The City of Chattanooga will be non-discriminatory in the purchase of all goods and services on the basis of race, color, or national origin.

PRICE ESCALATION CLAUSE:

All prices under this contract shall remain fixed during each twelve (12) month contract period. If as a result of a general change in prices or discounts, the contractor has changed prices to all of its customers, then, at the time of contract renewal, the price under this contract may be adjusted accordingly after acceptance. All price increases must be justified by providing a copy of the prevailing labor wage or material cost increases. Prompt notice of price changes (increases or reductions) must be furnished to the Purchasing Agent at least 30 days prior to the requested effective date and the prices for these services/materials shall remain firm for twelve (12) months. The effective date of price increases shall be the date the Purchasing Agent accepts the price changes or the effective date of increase stated by contractor's notice to Purchasing Agent, whichever is later.

PLEASE PROVIDE US WITH THE FOLLOWING INFORMATION:

Company Name _____

Address _____

Phone/Toll-Free No. _____

Fax No. _____

E-Mail Address _____

Contact Person's Name _____

BID SOLICITATION



City of Chattanooga
 101 East 11th Street, Suite G13
 Chattanooga, TN 37402

BID OPENING DATE AND TIME:
 11-MAR-15 at 2:00 PM

BID NUMBER: 303647

BUYER:
PHONE #: (423) 643-7230
DELIVERY REQUIRED:

SEALED BIDS

Mail or submit two (2) signed copies of bid form to this office in the enclosed envelope. Retain one copy for your file.

**V
E
N
D
O
R**

RFQ

**M
A
I
L
T
O**

City of Chattanooga
 101 East 11th Street, Suite G13
 Chattanooga, TN 37402

Item	Class-Item	Quantity	Unit	Unit Price	Total
Estimated Delivery _____					
Minority-Owned Business ___ Small Business ___ Veteran ___					
Minority Woman Owned Business ___ Disabled Veteran ___					
Women-Owned Business ___					

NOTE: ALL BIDS RECEIVED ARE SUBJECT TO THE TERMS AND CONDITIONS

ALL BIDS MUST BE SIGNED – The undersigned offers the above quoted prices under the conditions contained herein.

The City is Exempt from all Federal and State Tax.
 Bids will be received at the above mentioned address.

TERMS OF PAYMENT: _____

TELEPHONE NUMBER: _____

COMPANY: _____

SIGNATURE: _____

NAME AND TITLE: _____

BID SOLICITATION



City of Chattanooga
 101 East 11th Street, Suite G13
 Chattanooga, TN 37402

BID OPENING DATE AND TIME:
 11-MAR-15 at 2:00 PM

BID NUMBER: 303647

BUYER:
PHONE #: (423) 643-7230
DELIVERY REQUIRED:

SEALED BIDS

Mail or submit two (2) signed copies of bid form to this office in the enclosed envelope. Retain one copy for your file.

**V
E
N
D
O
R**

RFQ

**M
A
I
L
T
O**

City of Chattanooga
 101 East 11th Street, Suite G13
 Chattanooga, TN 37402

Item	Class-Item	Quantity	Unit	Unit Price	Total
1	PLC Technician Cost Per Hour - Regular	1	Hour	_____	_____
2	PLC Technician Cost Per Hour - Overtime	1	Hour	_____	_____
3	PLC Engineer Cost Per Hour - Regular	1	Hour	_____	_____
4	PLC Engineer Cost Per Hour - Overtime	1	Hour	_____	_____
5	_____ Percent Markup for Specialty Equipment, Materials & Services	1	Each	_____	_____

NOTE: ALL BIDS RECEIVED ARE SUBJECT TO THE TERMS AND CONDITIONS

The City is Exempt from all Federal and State Tax.
 Bids will be received at the above mentioned address.

TERMS OF PAYMENT: _____

TELEPHONE NUMBER: _____

ALL BIDS MUST BE SIGNED – The undersigned offers the above quoted prices under the conditions contained herein.

COMPANY: _____

SIGNATURE: _____

NAME AND TITLE: _____

**SPECIFICATIONS
FOR
BLANKET CONTRACT
TO SUPPLY
PROGRAMMABLE LOGIC CONTROLLER SERVICES
FOR THE
WASTE RESOURCES DIVISION
CITY OF CHATTANOOGA, TENNESSEE**
(January 2015)

1.0 GENERAL

1.1 SCOPE OF SERVICES

The Scope of Services included in these Specifications shall be for all labor, benefits, equipment, fuel, and any other related expenses necessary to provide programmable logic controller (PLC) services for the WASTE RESOURCES DIVISION including the Moccasin Bend Wastewater Treatment Plant (MBWWTP), 455 Moccasin Bend Road, Chattanooga, Tennessee 37405.

It is the responsibility of each bidder to visit both the Moccasin Bend Wastewater Treatment Plant and other locations within the WASTE RESOURCES DIVISION and to become familiar with and have a working knowledge of all types, sizes, and quantities of PLC's as well as understand any peculiar circumstances which may be associated with the servicing of these units. An inventory of most of the larger PLC's currently in use at Moccasin Bend Wastewater Plant and Wastewater Pump Stations is attached as Appendix A. Appendix A shows the list by Type of PLC. Some smaller PLC's that are not shown on the inventory are in use and may need service occasionally.

1.2 BASIS OF BIDDING

The Contractor shall submit one (1) bid on the City's Standard Bid Form. The Bid shall include the cost per hour for labor, and equipment and percent markup on materials and specialized outside services not normally performed by the Vendor.

The cost per hour shall include any and all costs for wages, benefits, indirect costs, overhead and profit, insurance, travel time and any other related direct or indirect cost. The cost per hour shall be for the services of one (1) PLC technician and also (1) separate cost per hour for (1) PLC engineer and all equipment necessary to perform the work described herein.

Vendor shall include a percent markup for specialty equipment, materials, and services required for the work but not described herein.

The Vendor shall also provide hourly rates for overtime/emergency service and holiday work for the various work described herein. The cost per hour shall start when the vendor is on-site.

The City of Chattanooga reserves the right to reject any and/or all bids, to waive any information in Bids received, and to accept any Bid which in its opinion may be in the best interest of the city.

1.3 SUBMITTALS

1.3.1 Bid Bond

Not Required

1.3.2 Performance Bond

None Required.

1.3.3 References and Experience

A. References

1. The Vendor shall submit a list of five (5) customers for whom the Vendor has performed PLC services during the past three- (3) years and provided labor and equipment and materials to perform similar services.
2. The list shall include names, addresses, telephone numbers, and contact person who is knowledgeable of services provided.

B. Experience

1. The Vendor shall submit a brief company history of providing the specified services.
2. The Vendor shall provide a brief description of its service facilities and the work performed there.
3. The Vendor shall provide a description of its work force including number of skilled personnel and their length of service with the company.
4. The PLC technician shall have a basic understanding of ladder logic and have at least three (3) years experience in troubleshooting and installing PLC's.
5. The PLC Engineer shall have an engineering degree from an accredited Engineering College in Electrical Engineering or Controls Engineering and possess at least 5 years of experience in designing, installing, and troubleshooting PLC's and control systems.
6. The Vendor shall provide a list of PLC manufactures for whom it serves as a trained provider of service.

1.4 GENERAL CONDITIONS AND INSTRUCTIONS TO BIDDERS

The Vendor shall comply with rules and conditions found in the City of Chattanooga, Purchasing Department’s “General Conditions and Instructions to Bidders” that are a part of the invitation to Bid for the equipment or services specified herein.

1.5 LENGTH OF CONTRACT

The Contract for services described herein shall be for a period of one (1) year beginning the effective date of the award of the Contract. The Vendor shall provide a firm hourly rate for the first year of the Contract.

The City shall have the option of extending the Contract for two (2) additional one (1) year periods at the Vendor’s hourly rate.

1.6 INSURANCE

The Vendor shall, prior to the award of the Contract, furnish proof and maintain in force the following types of insurance at the minimum limits specified below:

<u>COVERAGES</u>	<u>LIMITS OF LIABILITY</u>
Workmen’s Compensation Employer’s Liability	Statutory \$750,000
Bodily Injury Liability Except Automobile	\$750,000 each occurrence \$1,500,000 aggregate
Property Damage Liability Except Automobile	\$750,000 each occurrence \$750,000 aggregate
Automobile Bodily Injury Liability	\$750,000 each person \$1,500,000 each occurrence
Automobile Property Damage Excess Umbrella Liability	\$750,000 each occurrence \$3,000,000 each occurrence

Copies of the current insurance certificate(s) shall be provided to the City prior to any work being performed. Insurance shall be kept in force during the entire length of the contract.

1.7 WARRANTY

A. Programmable Logic Controller (PLC) installation, troubleshooting, repair, and/or replacement.

The Vendor shall warrant and guarantee the work performed for a period of one (1) year following delivery of the work to the City. The work shall be guaranteed and warranted against defective workmanship and materials.

2.0 SERVICES AND OTHER REQUIREMENTS

2.1 GENERAL

2.1.1 *Sole Vendor*

The Vendor shall not subcontract the services or assign the contract to others without the written consent of the City of Chattanooga.

2.1.2 *Compliance with Applicable Regulations*

All of the services provided by the Vendor shall be completed in a good and workmanlike manner. All services provided shall be in compliance with all applicable statutes, rules, ordinances and regulations of, but not limited to, the USEPA, TDOT, OSHA, and any similar federal, state, and local laws or regulations applicable to the Vendor or to the services described herein.

The Vendor's personnel shall comply with all City, Waste Resources Division, and Moccasin Bend WWTP work rules and regulations when on site.

2.1.3 *Inspection*

The services furnished by the Vendor shall be subject to inspection and approval by the City's designated representative, but the manner and method of providing the services shall be the responsibility of the Vendor.

2.1.4 *Failure to Provide Services and Termination of Contract*

In the event the Vendor:

- a. Fails to initiate services on the date specified or otherwise agreed to;
- b. Fails to provide all of the required documentation for his personnel, insurance, and any other documentation required by these Specifications at the specified times;
- c. After having begun services, abandons them for any reason;
- d. Suspends or refuses to continue services; or
- e. Defaults in any manner in the performance under the terms of the Contract for a period of thirty (30) days (unless the Vendor is prevented from continuing for reasons beyond its control);

The City of Chattanooga shall have the right to terminate the Contract immediately upon the written notification by the City for the reasons listed above and the City shall complete the Contract or have the services completed by another vendor in any reasonable manner at the Vendor's expense.

The City shall have the right to terminate the Contract after giving a thirty-day (30) written notice to the Vendor.

2.2 DESCRIPTION OF CONTRACTED SERVICES

2.2.1 General

- A. The Vendor shall provide all labor, benefits, equipment, fuel, materials and any other related expenses necessary to provide PLC installation , troubleshooting , and repair and testing services described herein, including pick-up and delivery, for the Waste Resources Division.
- B. The Vendor shall provide the services on an "as needed" basis as requested by the City. The City will attempt to schedule the work to optimize the use of the Vendor's technicians and equipment when it is needed.
- C. The Vendor shall provide the City with a written estimate, including all parts, materials, labor, and shipping costs to complete repairs, reconditioning, and test services on each unit needing repair within five – (5) business days. This estimate shall include a reasonable delivery date for the repairs, reconditioning, and test services.
- D. The Vendor shall perform work on straight time, i.e., non-emergency, unless otherwise noted. Overtime, weekend, or holiday work shall only be performed at the City's direction.
- E. The Vendor shall make available a detailed report of repairs for all equipment that has been installed or repaired and maintain a history for each piece of equipment. This information shall be maintained in a manner that is available to the City for review on line at any time.

2.2.2 Vendor Services

- A. PLC installation, troubleshooting, repair, or replacement.
 - 1. The Vendor shall provide a copy of any changes made to the programming and all updated changes in electronic format on a flash drive with the new program. Vendor shall also provide a narrative of the changes to all hardware or software for all PLC's within 48 hours after the change is made. No changes will be made until approved by a designated City Representative.
 - 2. The Vendor shall provide a technician on-site properly trained in the troubleshooting of the PLC within 4 hours or less whenever notified by the City of an emergency need, and within 48 hours for non-emergencies. Most work is anticipated to be non-emergency work. The technician shall inspect, and/or test each PLC in the field. All of the electrical components of each PLC shall be evaluated. Upon completion of this inspection, the Vendor

shall prepare for the City a written estimate of the cost and a description of the root cause or failure mode report on each PLC prior to repair, or replacement the PLC. The City will provide the Vendor with a decision to proceed with the repair and reconditioning or replacement of the PLC.

3. The Vendor shall electrically repair, and test the PLC in accordance with requirements of the latest edition of the PLC manufactures recommended service guide. The Vendor shall provide a certification upon completion of the work that the repair and testing have been performed in accordance with the manufactures recommended practice.
4. If the decision of the City is to replace the PLC, the Vendor shall provide a replacement PLC at the Vendor's cost plus a percentage mark-up included in bid.
5. The Vendor shall be responsible for providing PLC installation and repair services so as not to void the manufactures warranty.
6. The Vendor shall transfer ownership to the City of all material, work products, software, hardware, programs, etc. and those shall become City property.

2.2.3 City Supplied Services

The City will provide the following services;

1. Provide reasonable access to City facilities.
2. Provide access to any needed hardware and software programs

3.0 EXECUTION

3.1 CONTRACT STARTING DATE

The Contract for the full services shall begin immediately on the effective date of the award of the Contract.

3.2 PAYMENT OF SERVICES

The City will make payment to the Contractor according to the City's normal policies and procedures.

APPENDIX A

PLC Inventory Chattanooga Waste Resources Division -11/17/14

<u>Quantity</u>	<u>PLC</u>	<u>Type</u>
896 TOTAL		
29	3rd Party	some 3rd party module (ie. Horner analog or RTU card)
2	IC200ALG230	VersaMax 4-channel voltage/current input
8	IC200ALG240	VersaMax 8-channel isolated voltage/current input
9	IC200ALG320	VersaMax 4-channel current output
3	IC200ALG430	VersaMax 4/2-channel current/voltage input/output
1	IC200CPU005	VersaMax 128k CPU
8	IC200CPUE05	VersaMax 128k CPU w/ Ethernet
6	IC200EBI001	VersaMax ethernet NIU
14	IC200MDL240	VersaMax 16 point 120 VAC input
3	IC200MDL243	VersaMax 16 point isolated 120 VAC input
9	IC200MDL640	VersaMax 16-point 24 VDC input
7	IC200MDL930	VersaMax 9-point isolated relay output
11	IC200MDL940	VersaMax 16 point form A isolated 2 A relay output
6	IC200PWR002/012	VersaMax 24 VDC expanded 3.3 VDC power supply
5	IC200PWR101	VersaMax 120/240 V power supply
11	IC200PWR102	VersaMax 120/240 V power supply w/ expanded 3.3 VDC
28	IC200UAA007	VersaMax Micro 120 VAC input/output 28 point
1	IC200UAL004/005/006	VersaMax Micro 23 point w/ analog
1	IC200UDR005	VersaMax Micro 28 point DC/1 DC/11 Relay
1	IC200UDR006	Versamax Micro 28 point DC/DC/Relay
1	IC693ALG220	90-30 4-channel voltage input
48	IC693ALG221	90-30 4-channel current input
5	IC693ALG222	90-30 16-channel voltage input
12	IC693ALG223	90-30 16-channel current input
4	IC693ALG391	90-30 2-channel current output
26	IC693ALG392	90-30 8-channel voltage/current output
18	IC693ALG442	90-30 4 in/2 out voltage/current combination
4	IC693BEM331	90-30 Genius bus controller
29	IC693CHS391	90-30 10-slot CPU baseplate
19	IC693CHS392	90-30 10-slot expansion baseplate
4	IC693CHS393	90-30 10 slot remote baseplate
4	IC693CHS397	90-30 5-slot CPU baseplate
3	IC693CHS398	90-30 5 slot expansion baseplate
1	IC693CMM302	90-30 enhanced genius communications module
2	IC693CMM311	90-30 Serial communications module
10	IC693CMM321	90-30 ethernet communications module
1	IC693CPU311	90-30 5-slot baseplate w/integrated CPU
1	IC693CPU313	90-30 5-slot baseplate w/integrated CPU
3	IC693CPU350	90-30 CPU (Model 350)
6	IC693CPU352	90-30 Basic CPU (gen 3)

1	IC693CPU363	90-30 Modular CPU w/ dual com ports
1	IC693CPU364	90-30 Modular CPU w/ Embedded Ethernet
19	IC693CPU374	90-30 Advanced CPU w/integrated ethernet
2	IC693MAR590	90-30 8/8 channel mixed 120 VAC input/ relay output
1	IC693MDL230	90-30 8 point isolated 120 VAC input
53	IC693MDL240	90-30 16 point 120 VAC input
10	IC693MDL241	90-30 16-point 24 VDC input
9	IC693MDL340	90-30 16 point 120 VAC output, high current
1	IC693MDL634	90-30 8 point 24 VDC pos/neg input
49	IC693MDL645	90-30 16 point 24 VDC input
13	IC693MDL655	90-30 32-point 24 VDC fast input
17	IC693MDL740	90-30 16 point 24 VDC positive logic output
1	IC693MDL753	90-30 32-point 12/24 VDC positive output
51	IC693MDL930	90-30 8 point isolated N.O. relay output
32	IC693MDL940	90-30 16 point N.O. relay output
4	IC693NIU004	90-30 ethernet remote I/O slave module
1	IC693PCM301	90-30 programmable coprocessor
33	IC693PWR321	90-30 120V power supply
26	IC693PWR330	90-30 120V high power supply
1	IC693PWR331	90-30 24 VDC power supply
3	IC693UDR005	Series 90 Micro 16-point 24 VDC input/12 pt relay output
6	IC694ALG221	Rx3i 4-channel current input
4	IC694MDL660	RX3i 32-point 24 VDC input
1	IC694MDL940	RX3i 16-point relay output
2	IC695CHS007	RX3i 7-slot controller base
4	IC695CHS016	RX3i 16-slot universal backplane
3	IC695CRU320	RX3i Redundant high availability CPU
3	IC695ETM001	RX3i Ethernet module
1	IC695PNC001	RX3i Profinet controller
3	IC695PNS001	RX3i Profinet IO scanner
7	IC695PSA140	RX3i 124 V redundant capable power supply
3	IC695RMX128	RX3i reflexive memory module
6	IC697ALG230	90-70 8-channel voltage/current input
16	IC697ALG320	90-70 4-channel voltage/current output
15	IC697ALG440	90-70 16-channel current input expander
2	IC697ALG441	90-70 16-channel voltage input expander
11	IC697BEM711	90-70 bus receiver module (rack expansion)
5	IC697BEM713	90-70 standard width bus transmitter module (rack expansion)
6	IC697BEM731	90-70 standard width Genius bus controller
7	IC697CBL700	90-70 power supply expansion cable
16	IC697CHS790	90-70 rack
5	IC697CMM742	90-70 ethernet controller
5	IC697CPX772	90-70 512kb fixed memory floating point CPU (486DX4)
1	IC697MDL340	90-70 16-point 120 VAC 2A output
33	IC697MDL653	90-70 32-point 24 VDC input

12 IC697MDL940	90-70 16-point relay output
1 IC697PCM711	90-70 programmable coprocessor
4 IC697PWR710	90-70 120 V 55W power supply
5 IC697PWR711	90-70 120 V 100 W power supply
12 IC754Vxi06Mxx	6" monochrome intermediate touch screen
2 IC754Vxl12Cxx	12" color intermediate touch screen
1 ST-3218	RSTi 8-channel current input
1 ST-4214	RSTi 4-channel current output
1 STXPNS001	RSTi Profinet IO scanner w/ power supply

Affirmative Action Plan

The City of Chattanooga is an equal opportunity employer and during the performance of this Contract, the Contractor agrees to abide by the equal opportunity goals of the City of Chattanooga as follows:

1. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, or handicap. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, national origin, or handicap. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, or handicap.
3. The Contractor will send to each labor union or representative of workers with which he/she has a collective bargaining agreement or other contract or understanding, a notice advising said labor union or workers' representatives of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
4. During the term of all construction contracts or subcontracts in excess of \$10,000 to be performed for the City of Chattanooga, the following non-discriminatory hiring practices shall be employed to provide employment opportunities for minorities and women:
 - a. All help wanted ads placed in newspapers or other publications shall contain the phrase "Equal Employment Opportunity Employer".
 - b. Seek and maintain contracts with minority groups and human relations organizations as available.
 - c. Encourage present employees to refer qualified minority group and female applicants for employment opportunities.
 - d. Use only recruitment sources which state in writing that they practice equal opportunity. Advise all recruitment sources that qualified minority group members and women will be sought for consideration for all positions when vacancies occur.

5. Minority statistics are subject to audit by City of Chattanooga staff or other governmental agency.
6. The Contractor agrees to notify the City of Chattanooga of any claim or investigation by State or Federal agencies as to discrimination.

(Signature of Contractor)

(Title and Name of Company)

(Date)